

INTERNATIONAL SEARCH REPORT

International Application No

PCT/NL2004/000531

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 B29D30/30 B29D30/58 B65H23/02 B65H20/06

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 B29D B65H B65G

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	DATABASE WPI Week 199619 Derwent Publications Ltd., London, GB; AN 184254 XP002309733 -& JP 08 058958 A (SATO SEISAKUSHO) 5 March 1996 (1996-03-05)	1-7
Y	abstract; figures 5,1	11,12
Y	PATENT ABSTRACTS OF JAPAN vol. 0176, no. 79 (M-1527), 14 December 1993 (1993-12-14) -& JP 05 229032 A (TOYO TIRE & RUBBER CO LTD), 7 September 1993 (1993-09-07) abstract; figures 1,2	11
	-/-	

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents :

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *Z* document member of the same patent family

Date of the actual completion of the international search

10 March 2005

Date of mailing of the international search report

19. 04. 2005

Name and mailing address of the ISA

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 2 850 277 A (CLARK HAROLD H) 2 September 1958 (1958-09-02) column 2, line 72 - column 4, line 42; figures 1-3	12
A	US 4 386 273 A (JONES ROBERT F) 31 May 1983 (1983-05-31) column 2, line 66 - column 3, line 68; figures 1-8	1,8-11, 13
A	EP 0 844 067 A (BRIDGESTONE CORP) 27 May 1998 (1998-05-27) cited in the application figures 1-4	1-17
A	US 5 725 703 A (GERLOFF KLAUS) 10 March 1998 (1998-03-10) figure 1	1
A	GB 1 254 391 A (SVECIA SILKSCREEN MASKINER) 24 November 1971 (1971-11-24) figures 1,2	1
X	US 4 359 675 A (MILLER, III ET AL) 16 November 1982 (1982-11-16) cited in the application column 4, line 47 - column 5, line 6 column 5, line 66 - column 6, line 22 figures 1-3	18-20, 25,28, 29,36-39
X	WO 99/42390 A (THE GOODYEAR TIRE AND RUBBER COMPANY; ECKMAN, RAYMOND, PATRICK; BURG,) 26 August 1999 (1999-08-26) page 3, line 25 - page 4, line 19; figures 1A,1B,3	18,19, 25,28,36
X	GB 973 972 A (DUNLOP RUBBER COMPANY LIMITED) 4 November 1964 (1964-11-04) claim 1	18,36
A	GB 954 976 A (DUNLOP RUBBER COMPANY LIMITED) 8 April 1964 (1964-04-08) page 2, line 113 - page 3, line 56; figures 1-5	18-25, 28-30, 36-39
A	US 2003/066610 A1 (KOLKER MARTIN ET AL) 10 April 2003 (2003-04-10) cited in the application abstract; figures 1,2a-2i	18,19, 23,24, 29-31, 35-37
A	US 6 062 453 A (MURRAY ET AL) 16 May 2000 (2000-05-16) abstract; figures 1-3	18,19, 29,35
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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 4 049 486 A (HENLEY ET AL) 20 September 1977 (1977-09-20) column 1, line 49 - column 2, line 52; figures 1-8	18,31,32
A	US 5 546 330 A (SERGEL ET AL) 13 August 1996 (1996-08-13) abstract; figures 1-4	33,34

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International application No.
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Box II Observations where certain claims were found unsearchable (Continuation of Item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:
2. ☒ Claims Nos.: 40, 41
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
see FURTHER INFORMATION sheet PCT/ISA/210
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box III Observations where unity of invention is lacking (Continuation of Item 3 of first sheet)

This International Searching Authority found multiple inventions in this International application, as follows:

see additional sheet

1. ☒ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☒ No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

Continuation of Box II.2

Claims Nos.: 40,41

Claims 40 and 41 contravene PCT Rule 6.2 (a).

The applicant's attention is drawn to the fact that claims relating to inventions in respect of which no international search report has been established need not be the subject of an international preliminary examination (Rule 66.1(e) PCT). The applicant is advised that the EPO policy when acting as an International Preliminary Examining Authority is normally not to carry out a preliminary examination on matter which has not been searched. This is the case irrespective of whether or not the claims are amended following receipt of the search report or during any Chapter II procedure. If the application proceeds into the regional phase before the EPO, the applicant is reminded that a search may be carried out during examination before the EPO (see EPO Guideline C-VI, 8.5), should the problems which led to the Article 17(2) declaration be overcome.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-17

A device for conveying a strip-shaped material, comprising a main conveyor belt and auxiliary feed and discharge conveyor belts placed on both sides of the main conveyor belt, wherein two slit-shaped openings are provided, each slit-shaped opening being arranged between feed conveyor belt and discharge conveyor belt on each side of the main conveyor belt.

2. claims: 18-39

A device for conveying a tread band to a tyre building drum, comprising: a measuring device, a device for applying lateral displacement and a control unit for controlling the lateral displacement of the tread, and a method of controlling lateral displacement of the tread strip during its application onto the building drum.

INTERNATIONAL SEARCH REPORT

Information on patent family members

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Patent document cited in search report		Publication date	Patent family member(s)	Publication date
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US 5546330	A	13-08-1996	
		DE 4129465 A1 AT 114805 T DE 59200845 D1 EP 0530673 A1 ES 2066532 T3 JP 5209739 A	11-03-1993 15-12-1994 12-01-1995 10-03-1993 01-03-1995 20-08-1993